

plant tissue, calli, or plant into a grown-up transgenic plant while allowing expression of said DNA within the grown-up transgenic plant to form said cytokine in an amount of 0.1 ng to one milligram per one kilogram by fresh weight of the grown-up plant that is effective to prevent and/or treat humans or mammals from diseases which can be prevented and/or treated with said cytokine when the grown-up transgenic plant is ingested by said humans or said mammals; and (iii) harvesting the grown-up transgenic plant.

12(Amended). The grown-up transgenic plant of claim 11, wherein said cytokine is one or more human or mammalian cytokines.

13(Amended). The grown-up transgenic plant of claim 12, wherein the one or more human or mammalian cytokines are selected from the group consisting of interferons, interleukins, hematopoietic factors, and growth factors.

14(Amended). The grown-up transgenic plant of claim 11, wherein the mammalian source is bovine, porcine, mouse, or rat with the proviso that the transgenic plant is ingested by a mammal belonging to the same family as the mammalian source used.

15(Amended). The grown-up transgenic plant of claim 11, which can be ingested by humans without cooking or heating.

16(Amended). The grown-up transgenic plant of claim 11, wherein said plant is a plant of a family selected from the group consisting of *Solanaceae*, *Apiaceae*, *Asteraceae*, *Brassicaceae*, *Cucurbitaceae*, *Rosaceae*, *Vitaceae*, *Ericaceae*, *Caricaceae*, *Fabaceae*, *Juglandaceae*, and *Chenopodiaceae*.

18(Amended). An isolated tissue of the grown-up transgenic plant of claim 11, which is selected from the group consisting of leaf, stem, root, fruit, peel, bud, petal, and a combination thereof.

20(Amended). A food composition comprising the grown-up transgenic plant of claim 11 and an edible material, wherein the grown-up transgenic plant is in a cut, peeled, pulverized, squeezed, or extracted form.

21(Amended). The food composition of claim 20, which further contains trehalose.

Please delete claim 17 and add new claim 31 in place thereof as follows:

--31(New). The grown-up transgenic plant of claim 11, which can be ingested by mammals without cooking or heating.--

Please cancel non-elected claims 22-30 without prejudice to the filing of a divisional application thereon.